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From: Stephen Roberts <sroberts@water.ca.gov>

Subject: Grant Line Canal Operation

DWR has just completed our review of Delta Modeling studies that show the level of protection Grant Line Canal Flow Structure provides with different operations. We modeled GLC to be:

1. fully closed during the ebb tide
2. fully open during the ebb tide
3. closed 5, 7, and 9 hours during the ebb tide

Using a low energy tide, we compared levels of protection for each of these runs. With the radial gate operation at CCF, DWR was comfortable with a 5 hour operation at GLC.

However, the low head pumps at CCF (to facilitate screening the intake) lower stages even more than radial gates in south Delta channels. After looking at the data, and comparing the results with the stages that have caused problems for SDWA, it does not appear that the neither the five year nor the seven hour operation provide adequate protection for SDWA. As a result, Mike Ford and I are recommending to Kathy Kelly that we revise the Grant Line Canal operation to provide 9 hours of operation per tidal cycle.

Stein, can you please not this before the meeting on Tuesday?

Thanks

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